

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-98. (Canceled)

99. (Currently amended) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising [the] an amino acid sequence that is identical to the amino acid sequence of SEQ ID NO:91 except for the presence of having at least one amino acid change selected from the group consisting of:

(a) a [Phe] phenylalanine changed to valine, leucine, isoleucine, or methionine a ~~Group 2 amino acid residue~~ at position 31;

(b) a [Gln] glutamine changed to lysine, arginine or histidine a ~~Group 5 amino acid residue~~ at position 41;

(c) a [Thr] threonine changed to valine, leucine, isoleucine, or methionine a ~~Group 2 amino acid residue~~ at position 52;

(d) a [Thr] threonine changed to aspartic acid, glutamic acid, asparagine or glutamine a ~~Group 3 amino acid residue~~ at position 52;

(e) a [Cys] cysteine changed to lysine, arginine or histidine a ~~Group 5 amino acid residue~~ at position 73;

(f) a [Pro] proline changed to serine, threonine or cysteine a ~~Group 4 amino acid residue~~ at position 101;

(g) a [Pro] proline changed to aspartic acid, glutamic acid, asparagine or glutamine a ~~Group 3 amino acid residue~~ at position 101;

(h) a [Val] valine changed to leucine, isoleucine, or methionine a ~~Group 2 amino acid residue other than Val~~ at position 111;

- (i) a [Ser] serine changed to valine, leucine, isoleucine, or methionine a ~~Group 2 amino acid residue~~ at position 133;
- (j) a [Glu] glutamic acid changed to valine, leucine, isoleucine, or methionine a ~~Group 2 amino acid residue~~ at position 141;
- (k) a [Glu] glutamic acid changed to lysine, arginine or histidine a ~~Group 5 amino acid residue~~ at position 141;
- (l) a [Cys] cysteine changed to phenylalanine, tyrosine or tryptophan a ~~Group 6 amino acid residue~~ at position 153;
- (m) a [Cys] cysteine changed to lysine, arginine or histidine a ~~Group 5 amino acid residue~~ at position 153;
- (n) a [Thr] threonine changed to glycine, alanine or proline a ~~Group 1 amino acid residue~~ at position 281;
- (o) a [Asn] asparagine changed to valine, leucine, isoleucine, or methionine a ~~Group 2 amino acid residue~~ at position 367;
- (p) a [Asn] asparagine changed to phenylalanine, tyrosine or tryptophan a ~~Group 6 amino acid residue~~ at position 367;
- (q) a [Pro] proline changed to serine, threonine or cysteine a ~~Group 4 amino acid residue~~ at position 389; and
- (r) a [Pro] proline changed to valine, leucine, isoleucine, or methionine a ~~Group 2 amino acid residue~~ at position 389.

100. (Original) The isolated nucleic acid molecule of claim 99 wherein the polypeptide when expressed in an *A. terreus* cell harboring a *lovF* gene increases expression of the *lovF* gene relative to an otherwise identical cell not expressing the polypeptide.

101. (Original) The isolated nucleic acid molecule of claim 99 wherein the polypeptide when expressed in an *S. cerevisiae* cell-harboring a gene under the control of the *A.*

*terreus* lovF expression control region increases expression of the gene relative to an otherwise identical cell not expressing the polypeptide .

102. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [F31L] phenylalanine changed to leucine at position 31.

103. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [Q41K or Q41R] glutamine changed to lysine or arginine at position 41.

104. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [T52I] threonine changed to isoleucine at position 52.

105. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [T52N] threonine changed to asparagine at position 52.

106. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [C73R] cysteine changed to arginine at position 73.

107. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [P101S] proline changed to serine at position 101.

108. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [P101Q] proline changed to glutamine at position 101.

109. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [V111I] valine changed to isoleucine at position 111.

110. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change S133L serine changed to leucine at position 133.

111. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [E141V] glutamic acid changed to valine at position 141.

112. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [E141K] glutamic acid changed to lysine at position 141.

113. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [C153Y] cysteine changed to tyrosine at position 153.

114. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [C153R] cysteine changed to arginine at position 153.

115. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [T281A] threonine changed to alanine at position 281.

116. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [N367I] asparagine changed to isoleucine at position 367.

117. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [N367Y] asparagine changed to tyrosine at position 367.

118. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [P389S] proline changed to serine at position 389.

119. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [P389L] proline changed to leucine at position 389.

120. (Currently amended) An isolated nucleic acid molecule ~~The isolated nucleic acid molecule of claim 99~~ comprising a nucleotide sequence selected from the group consisting of: SEQ ID NO:66, SEQ ID NO:67, SEQ ID NO:68, SEQ ID NO:69, SEQ ID NO:70, SEQ ID NO:71, SEQ ID NO:72, SEQ ID NO:73, SEQ ID NO:74, SEQ ID NO:75, SEQ ID NO:76, SEQ ID NO:77, SEQ ID NO:78, SEQ ID NO:79, SEQ ID NO:80, SEQ ID NO:81, SEQ ID NO:82, SEQ ID NO:83, SEQ ID NO:84, SEQ ID NO:85, SEQ ID NO:86, SEQ ID NO:87, SEQ ID NO:88, SEQ ID NO:89, and SEQ ID NO:90.

121. (Original) The isolated nucleic acid molecule of claim 99 wherein the nucleotide sequence encoding the polypeptide is contiguous.

122. (Canceled)

123. (Currently amended) A fungal cell containing a recombinant nucleic acid molecule comprising the nucleic acid molecule of claim 99.

124. (Currently amended) The fungal cell of claim 123 [121 or 122] wherein the fungus is *A. terreus*.

125. (Currently amended) The fungal cell of claim [122 or] 123 wherein the fungus is *S. cerevisiae*.

126-135. (Canceled)

136. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a glutamic acid changed to lysine, arginine or histidine at position 141.

137. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a cysteine changed to phenylalanine, tyrosine or tryptophan at position 153.

138. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a cysteine changed to lysine, arginine or histidine at position 153.

139. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a threonine changed to glycine, alanine or proline at position 281.

140. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of an asparagine changed to valine, leucine, isoleucine or methionine at position 367.

141. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of an asparagine changed to phenylalanine, tyrosine or tryptophan at position 367.

142. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a proline changed to serine, threonine or cysteine at position 389.

143. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a proline changed to valine, leucine, isoleucine, or methionine at position 389.

144. (New) A vector comprising the isolated nucleic acid molecule of claim 99.

145. (New) The vector of claim 144, wherein the vector is an expression vector.